

Message

From: Wirick, Holiday [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CB8297D55F314BDD8AE914EED7EF14E5-HWIRICK]
Sent: 10/21/2020 8:36:58 PM
To: Wax, Peter N. [pwax@nd.gov]
Subject: Request your review of recommended language for footnote 1 in Table 2

Hi Pete, can you please take a quick look at Maggie's recommendation for revising Footnote 1? I think it looks good, but just wanted to run it by you to make sure it makes sense to you. Thanks.

We recommend clarifying footnote 1 at the bottom of p. 16. As written, it is confusing. It reads: "Except for the aquatic life values for metals, the values given in this appendix refer to the total (dissolved plus suspended) amount of each substance. For the aquatic life values for metals, the values refer to the total recoverable method for ambient metals analyses." EPA recommends that aquatic life criteria be implemented with the dissolved fraction with a few exceptions, for example aluminum.

- If it is North Dakota's intent to implement most aquatic life metals criteria as a dissolved fraction, footnote 1 could read "Except for the aquatic life values for metals, the values given in this appendix refer to the total (dissolved plus suspended) amount of each substance. For the aquatic life values for metals, the values refer to the dissolved fraction unless otherwise noted."
- If it is North Dakota's intent to implement most aquatic life metals criteria as a total fraction, footnote 1 could read "~~Except for the aquatic life values for metals, the values given in this appendix refer to the total (dissolved plus suspended) amount of each substance. For the aquatic life values for metals, the values refer to the total recoverable method for ambient metals analyses.~~ unless otherwise noted."

We note that North Dakota's proposed revisions to the hardness-based aquatic life metals criteria do not include conversion factors found in Appendices A and B of EPA's nationally recommended aquatic life criteria. These conversion factors convert the total fraction of the metals to the dissolved fraction of the metals, consistent with EPA recommendation. If it is North Dakota's intent to implement its aquatic life metals criteria as a dissolved fraction, we recommend adding the metal-specific conversion factor for each metal.